

METHOD AND APPARATUS FOR PROVIDING DATA FOR  
SAMPLE RATE CONVERSION

ABSTRACT OF THE DISCLOSURE

5

A method and apparatus for providing data for sample rate conversion includes processing that begins by generating a data request interrupt based on a system clock and a sample rate conversion value. The processing 10 continues by receiving a data ready control signal from a data processor. The processing proceeds to responding to the data request interrupt by providing a read signal to a temporary memory device. Based on the read signal, a 1<sup>st</sup> word of data is read from the temporary memory device and 15 provided to a sample rate conversion module. The processing resumes by responding to the data ready control signal by providing a light signal to the temporary memory device. In accordance with the write signal, a 2<sup>nd</sup> word of data is written to the temporary memory device by the data 20 processor.

AUG 22 2007  
U.S. DEPT. OF COM.  
REGISTRATION  
RECEIVED  
U.S. PATENT &  
TRADEMARK OFFICE